Chassis TV-VCR 2004 – 21" Range (Z12VA)

Main Schematic Diagram
H.V./Power Schematic Diagram
CRT Schematic Diagram
Text Schematic Diagram
Wiring Diagram
Waveforms

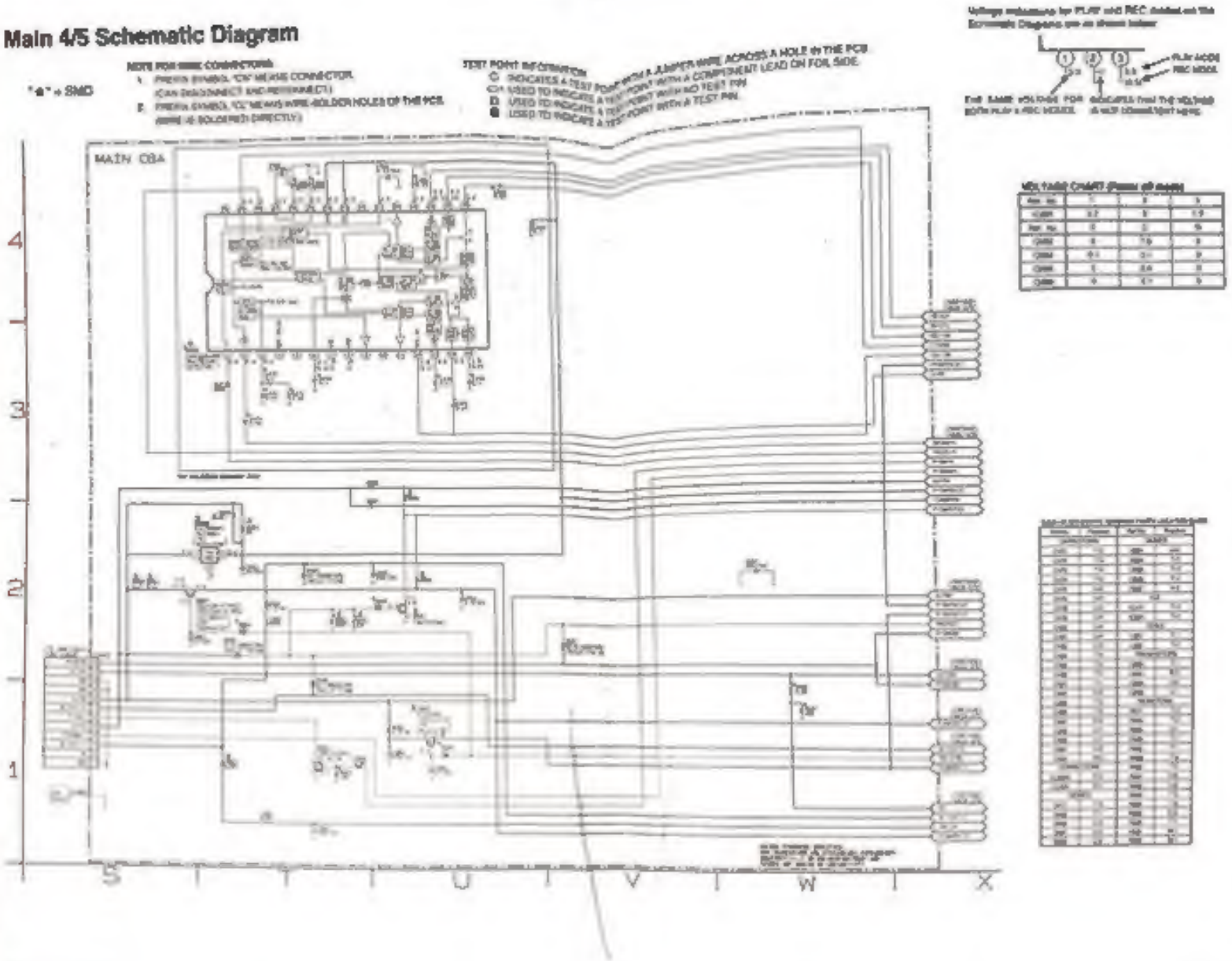
3143 025 22151

Modification 0

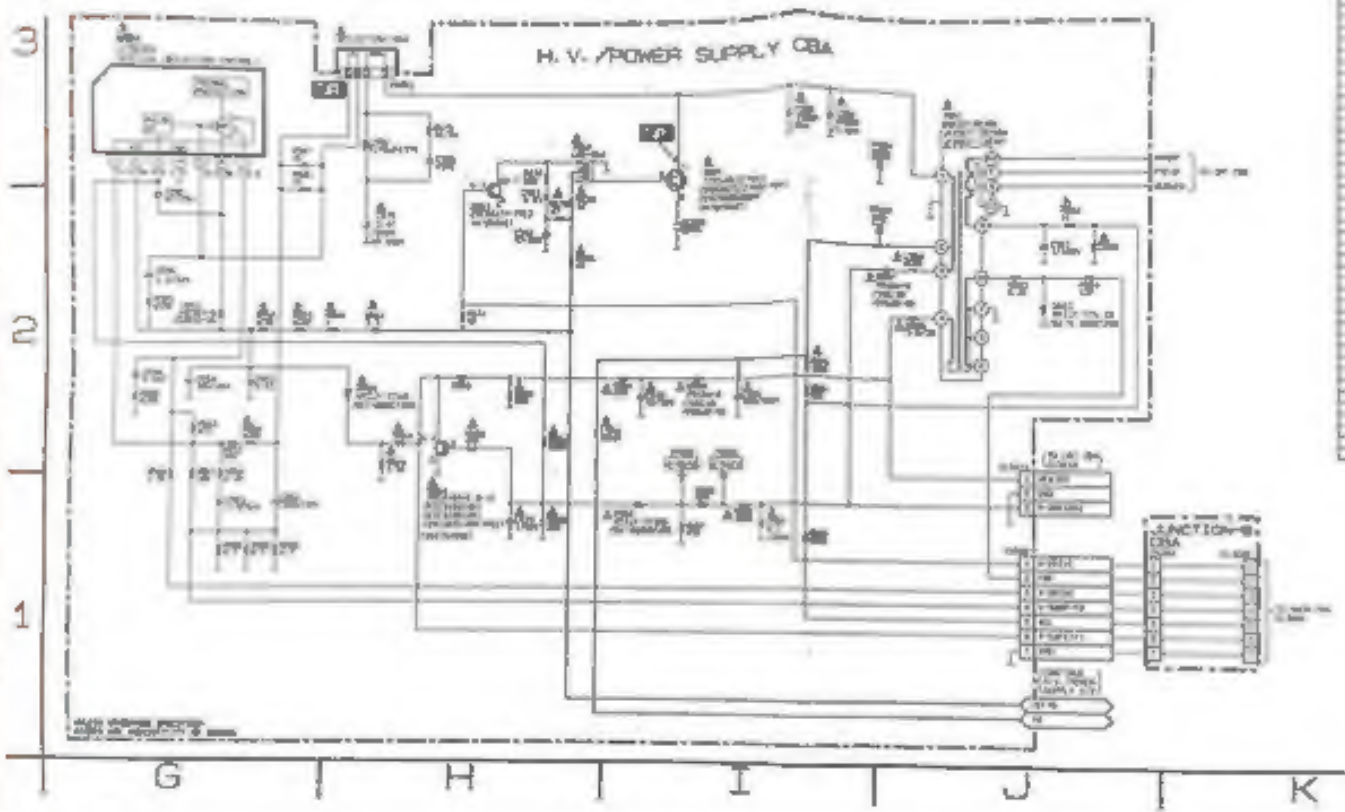
Subject to Modification

Sheet 3 of 3

Main 4/5 Schematic Diagram



H.V./Power Supply 2/2 Schematic Diagram



H.V./Power Supply 1/2 Schematic Diagram

CAUTION !!

Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit. If Main Fuse (F801) is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail.

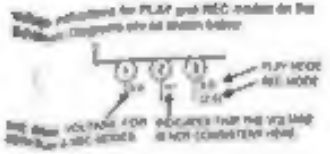
CAUTION

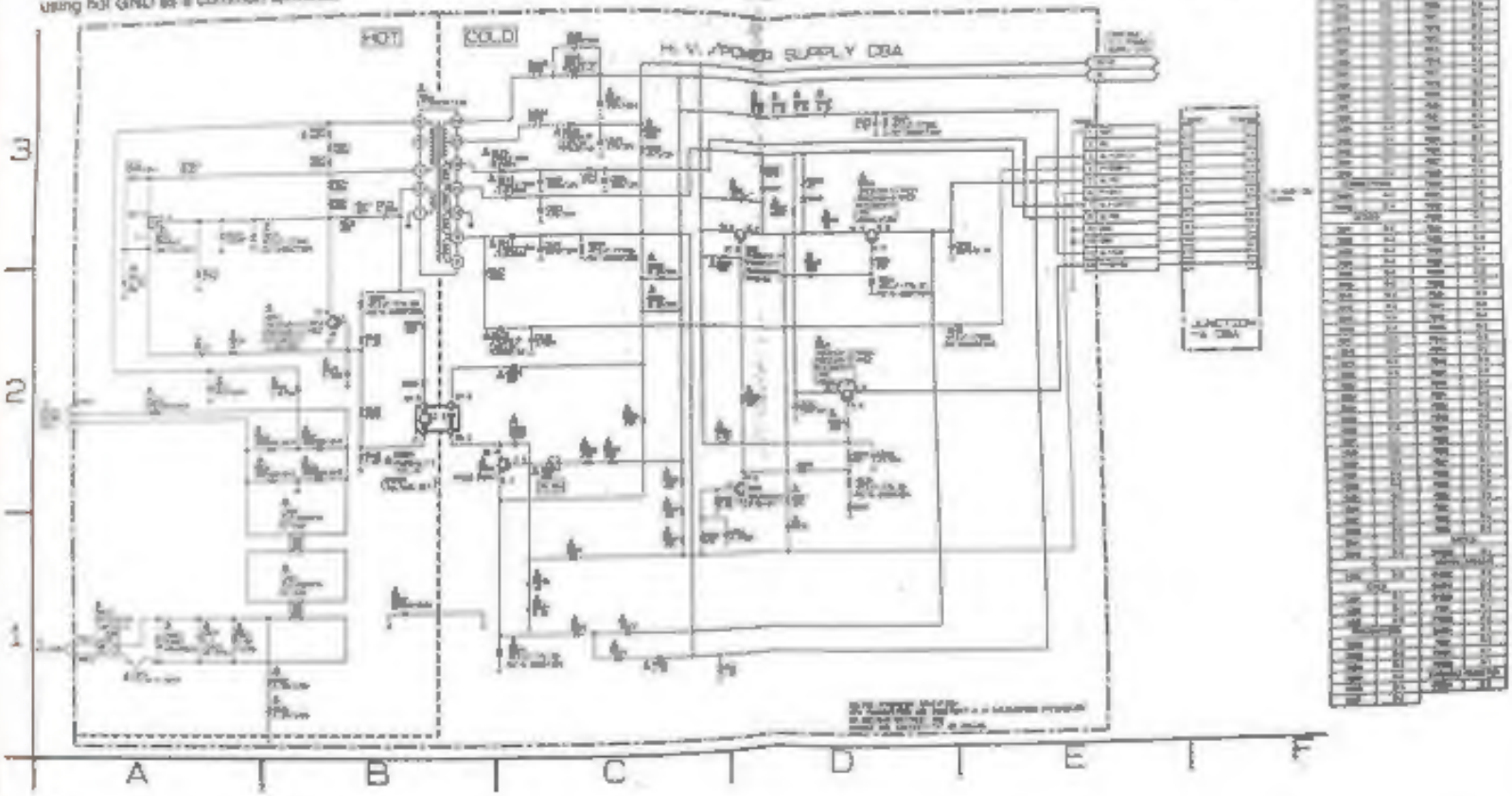
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,

REPLACE ONLY WITH THE SAME TYPE FUSE.

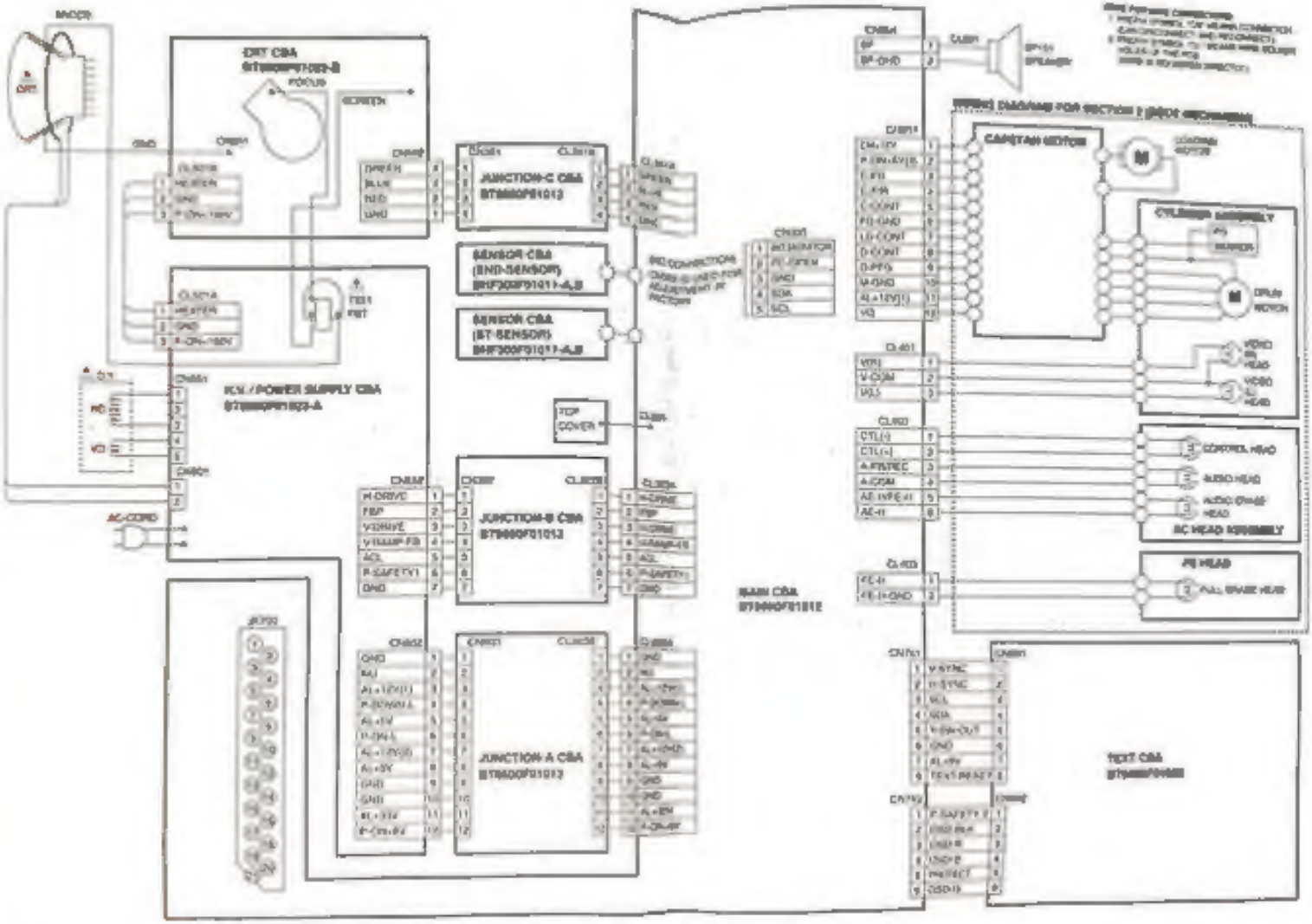
NOTE

The voltage for parts in hot circuit is measured using hot GND as a common terminal.

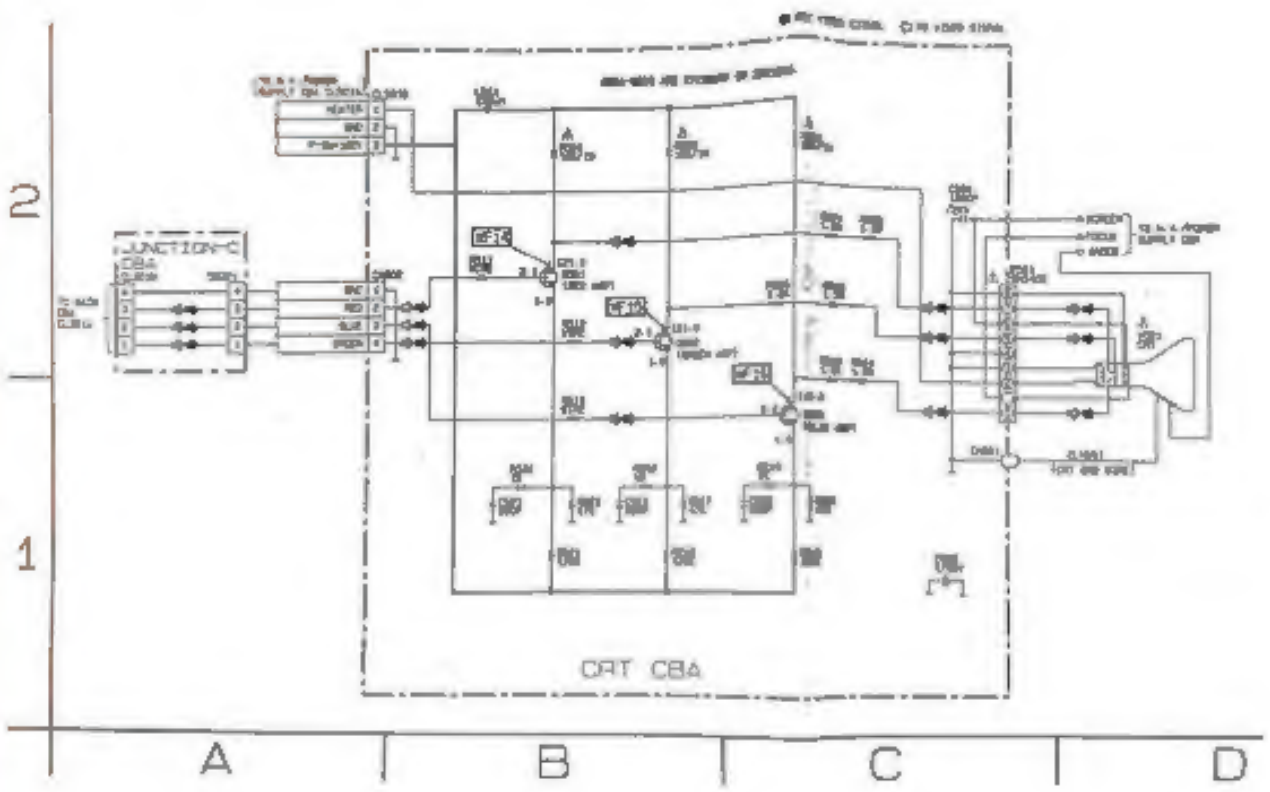




Wiring Diagram

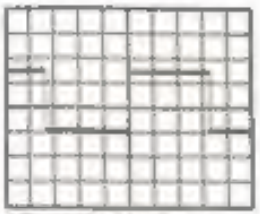


CRT Schematic Diagram

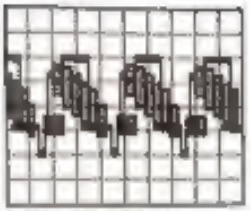


WAVEFORMS

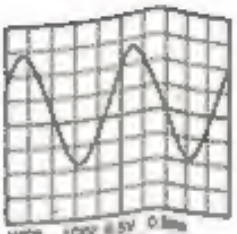
WAVEFORM NOTES
INPUT: COLOR BAR SIGNAL
OTHER CONTROLS: CENTER POSITION
VOLTAGES SHOWN ARE RANGE OF OSCILLOSCOPE SETTING



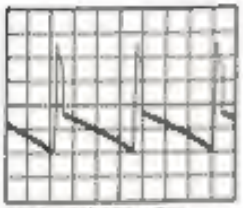
WF1 1DIV: 2V 5ms
TP002 RF-SW



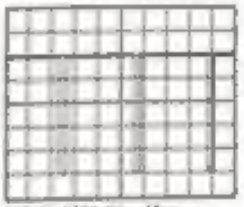
WF5 1DIV: 0.5V 20µs
TP003 V-OUT



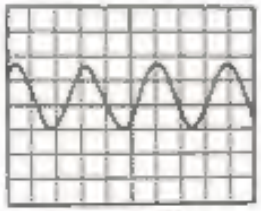
WF9 1DIV: 0.5V 0.5ms
IC401 PIN 8



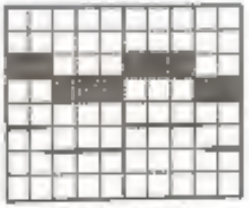
WF13 1DIV: 10V 5ms
CN651 PIN 5



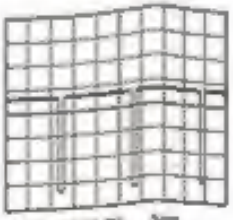
WF17 1DIV: 1V 20ms
IC201 PIN 58



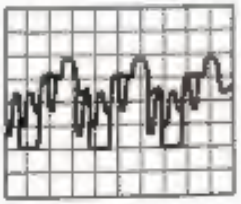
WF2 1DIV: 0.2V 0.1ms
IC401 PIN 20



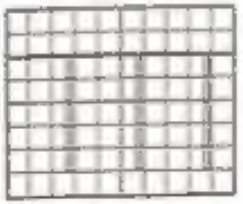
Upper: WF6 Lower: WF1
1DIV: 0.2V 2DIV: 5V 5ms
TP008 C-FB



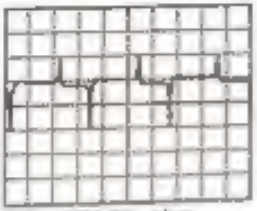
WF10 1DIV: 2V 5ms
IC301 PIN 13



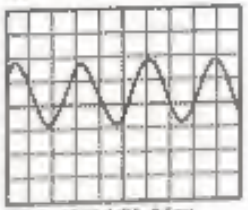
WF14 1DIV: 20V 20ms
Q501 COLLECTOR



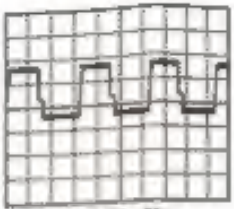
WF18 1DIV: 1V 5ms
IC207 PIN 58



WF3 1DIV: 1V 10ms
TP001 CTL

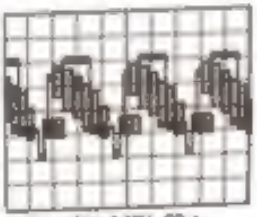


WF7 1DIV: 0.2V 0.5ms
IC301 PIN 52

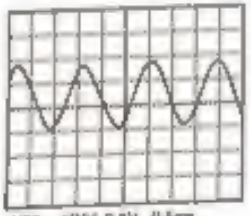


WF11 1DIV: 1V 20µs
IC301 PIN7

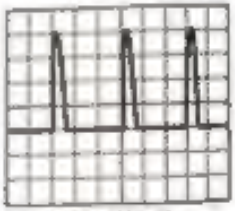
WF15 1DIV: 20V 20µs
Q502 COLLECTOR



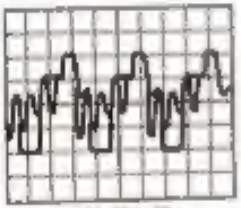
WF4 1DIV: 0.25V 20µs
IC401 PIN 46



WF8 1DIV: 0.5V 0.5ms
TP007 N-A-FB

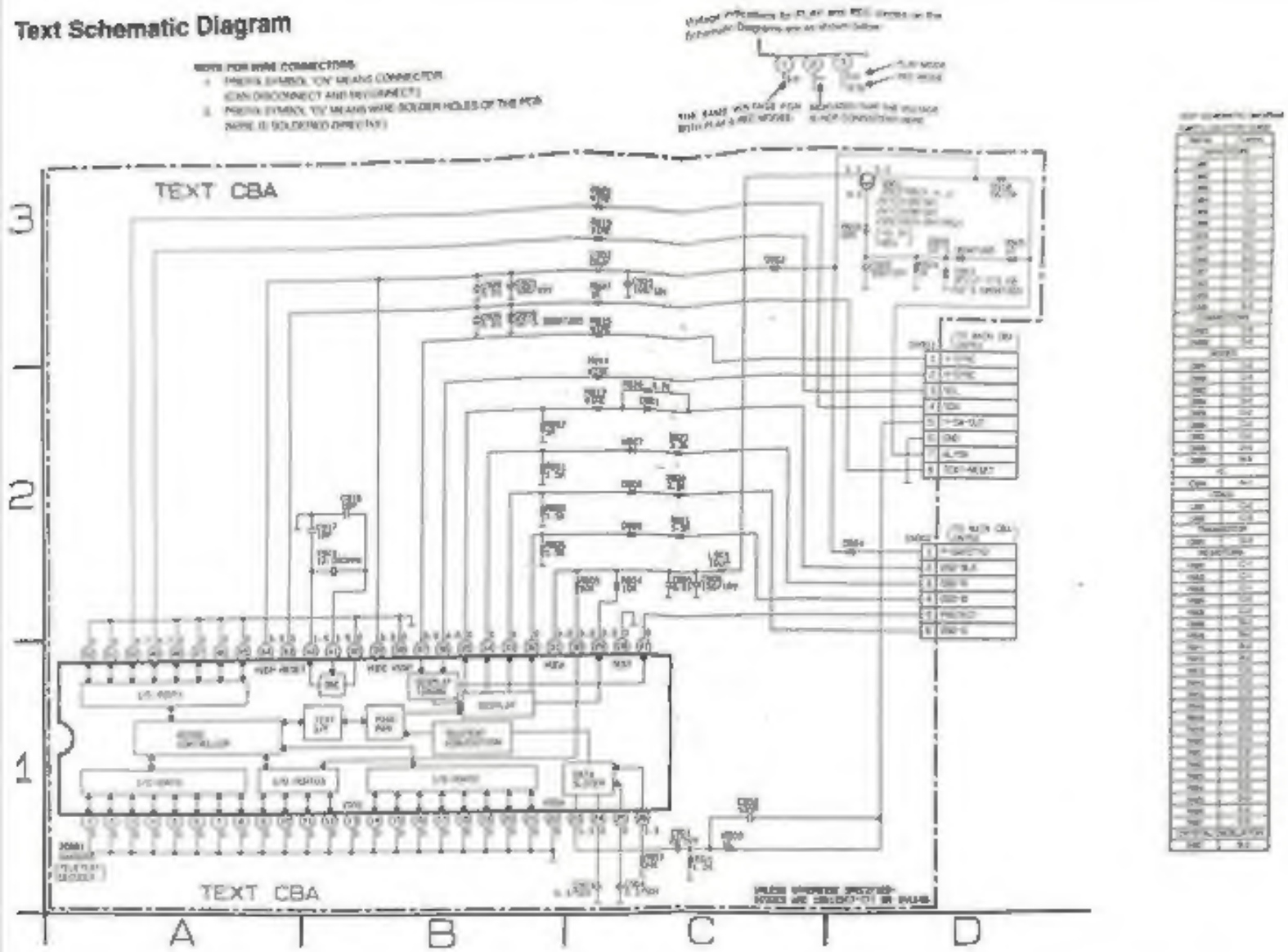


WF12 1DIV: 200V 20µs
Q551 COLLECTOR

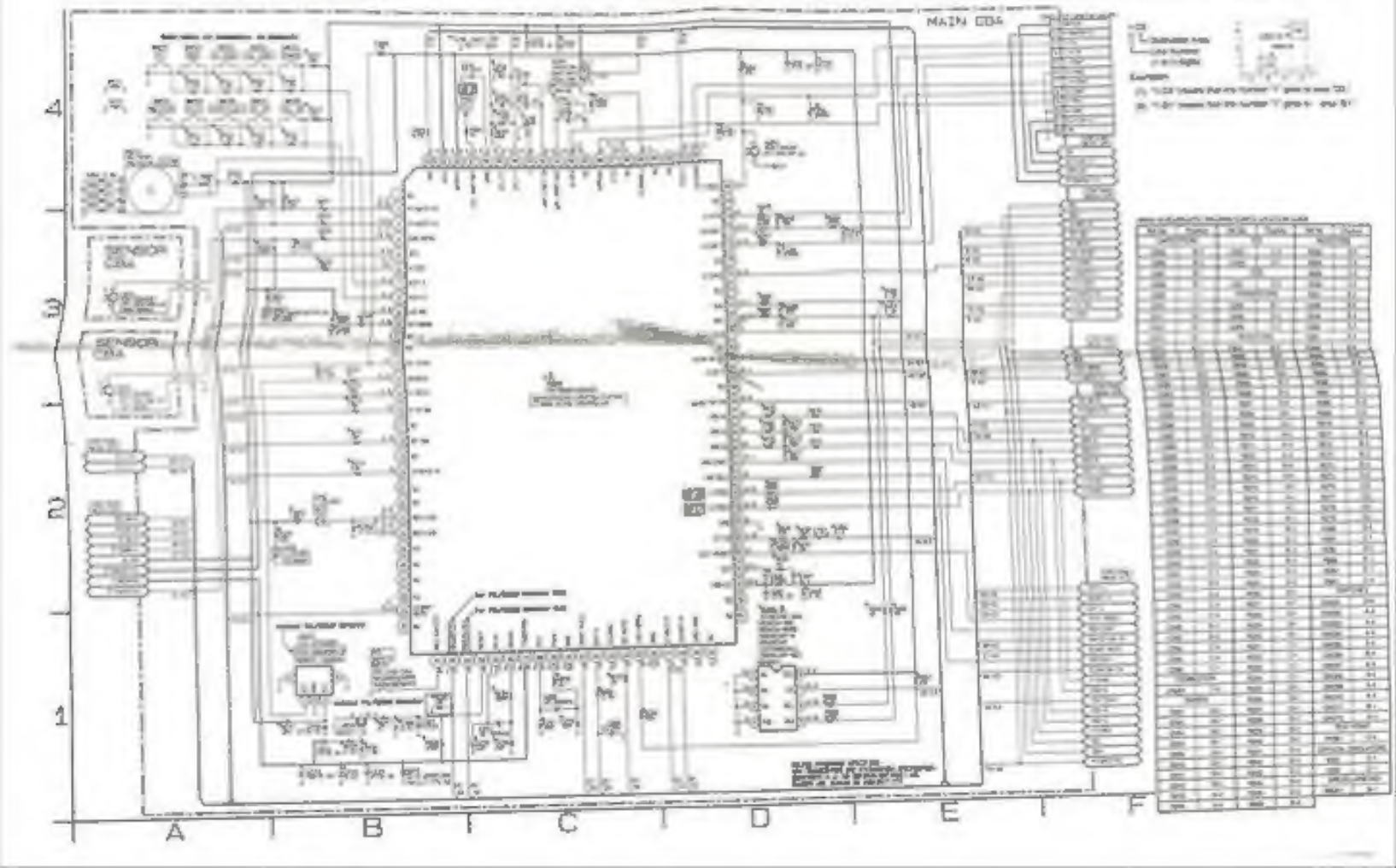


WF16 1DIV: 20V 20µs
Q553 COLLECTOR

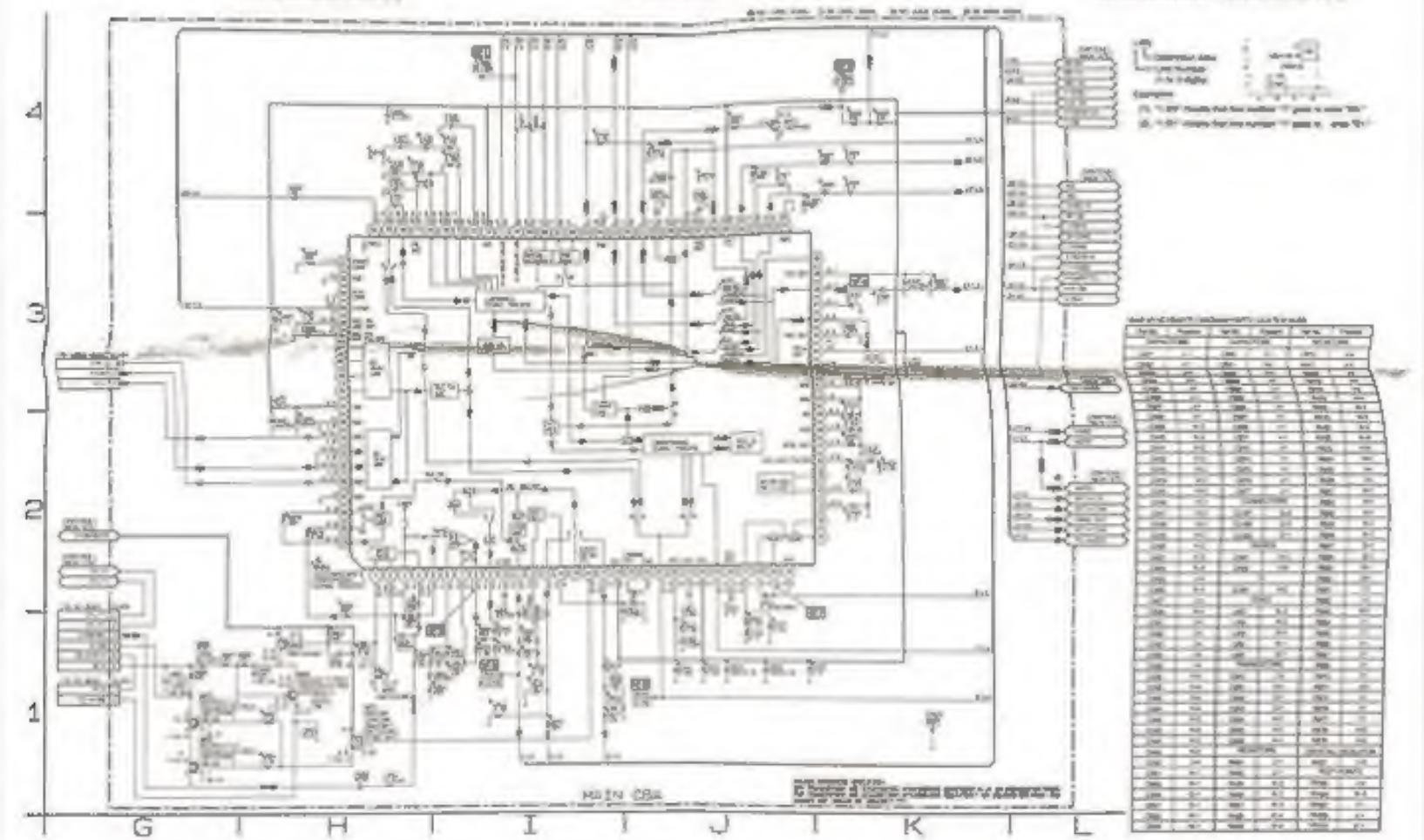
Text Schematic Diagram



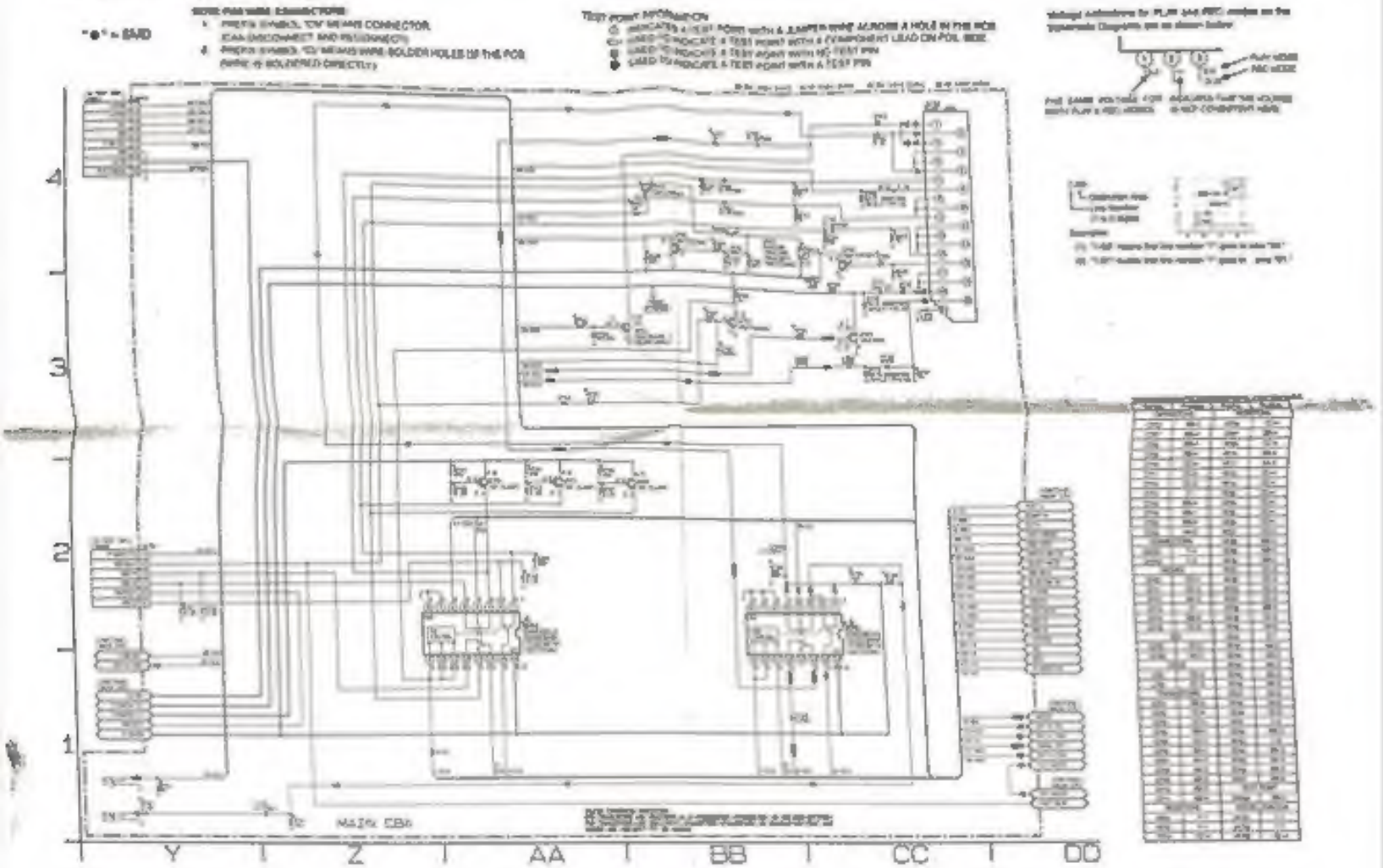
Main 1/5 Schematic Diagram



Main 2/5 Schematic Diagram



Main 5/5 Schematic Diagram



Main 3/5 Schematic Diagram